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## FACSIMILE COVER SHEET

<b>Date:</b>	<b>January 6, 2006</b>	<b>Fax:</b>	<b>571-273-8300</b>
<b>To:</b>	<b>U.S. Patent and Trademark Office</b>	<b>Phone:</b>	

**Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450**

<b>From:</b>	<b>David C. Hsia</b>
<b>Serial No.:</b>	<b>10/826,787</b>
<b>Docket:</b>	<b>10030222-4</b>
<b>Re:</b>	<b>Response to Office Action</b>
<b>Pages:</b>	<b>9 (including cover sheet)</b>

### Message:

Re: Applicant(s): Scott A. McHugo; Gregory N. DeBrabander  
 Assignee: Agilent Technologies, Inc.  
 Title: Heterojunction Bipolar Transistors with an Emitter Cap  
 Having a Sidewall with a Reentry Feature Having an  
 Undercut Profile  
 Serial No.: 10/826,787  
 Examiner: Pamela E. Perkins Filed: April 16, 2004  
 Docket No.: 10030222-4 Group Art Unit: 2822

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Transmittal Letter (1 page);
- (2) Response to Office Action (7 pages).

The information contained in this message is intended only for the personal and confidential use of the designated recipient(s) named above. This message may be an attorney-client communication and may be protected by the work product doctrine. As such, this document is privileged and confidential. If the reader of this message is not the intended recipient, you are hereby notified that you have received this document in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and destroy any copies of this document in your possession. Thank you.

AVAGO TECHNOLOGIES, LTD.  
P.O. Box 1920  
Denver, Colorado 80201-1920

JAN 06 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Scott A. McHugo et al.

Serial No.: 10/826,787

Examiner: Pamela E. Perkins

Filing Date: April 16, 2004

Group Art Unit: 2822

Title: HETEROJUNCTION BIPOLAR TRANSISTORS WITH AN Emitter CAP HAVING A SIDEWALL  
WITH A REENTRY FEATURE HAVING AN UNDERCUT PROFILECOMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

## TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

<input checked="" type="checkbox"/> Response/Amendment	<input type="checkbox"/> Petition to extend time to respond
<input type="checkbox"/> New fee as calculated below	<input type="checkbox"/> Supplemental Declaration
<input checked="" type="checkbox"/> No additional fee (Address envelope to "Mail Stop Amendments")	
<input type="checkbox"/> Other:	(Fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	3	MINUS	20	= 0	X 50	\$ 0
INDEP. CLAIMS	1	MINUS	3	= 0	X 200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ 360	\$ 0
EXTENSION FEE	1 <sup>ST</sup> MONTH 120.00 <input type="checkbox"/>	2 <sup>ND</sup> MONTH 450.00 <input type="checkbox"/>	3 <sup>RD</sup> MONTH 1020.00 <input type="checkbox"/>	4 <sup>TH</sup> MONTH 1590.00 <input type="checkbox"/>		\$ 0
					OTHER FEES	\$ 0
					TOTAL ADDITIONAL FEE FOR THIS AMENDMENT	\$ 0

Charge \$0 to Deposit Account 50-3718. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-3718 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-3718 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

Scott A. McHugo et al.

By


David C. Hsia  
Attorney/Agent for Applicant(s)

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Date of facsimile: January 6, 2006

Reg. No. 46,235

Typed Name: David C. Hsia

Date: January 6, 2006



Signature: \_\_\_\_\_

Telephone No. (408) 382-0480

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Scott A. McHugo; Gregory N. DeBrabander  
Assignee: Agilent Technologies, Inc.  
New Title: Heterojunction Bipolar Transistors with an Emitter Cap Having a Sidewall with a Reentry Feature Having an Undercut Profile  
Serial No.: 10/826,787 Filing Date: April 16, 2004  
Examiner: Pamela E. Perkins Group Art Unit: 2822  
Docket No.: 10030222-4

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San Jose, California  
January 6, 2006

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Dear Sir:

This is a response to the Office Action dated October 6, 2005, which has a statutorily shortened period for response that ends on January 6, 2006. Please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Abstract** begin on page 3 of this paper.

**Amendments to the Claims** begin on page 4 of this paper.

**Remarks** begin on page 5 of this paper.